



INSTALLATION INSTRUCTIONS

Porta-Mobil II™

MOTORCYCLE

Two-Way FM Radios

LBI-30292

Porta-Mobil II motorcycle radio, designed to be weatherproof, small size and lightweight along with internal shock mounting of all printed wire boards, allows handle bar installation above the front fork of the motorcycle.

A typical motorcycle mounting for Porta-Mobil II includes installation of the Porta-Mobil II, power cable, ignition noise filter and antenna (see Figure 1).

Read the following instructions carefully before starting installation.

A mounting hardware breakdown for the mounting bracket assembly is on page 6. The mounting assembly is designed for Harley-Davidson motorcycles only.

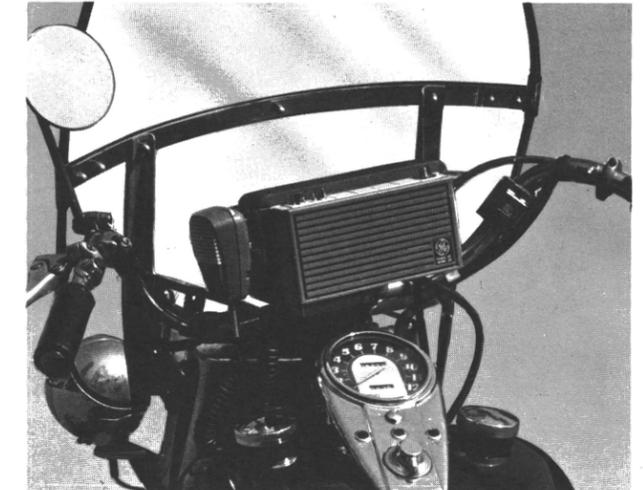


Figure 1 — Typical Handlebar Installation

1 Porta-Mobil II™

Connect power cable to Porta-Mobil II as in Power Cable, Installation Step 2A, then perform steps 1 through 8 of Porta-Mobil II installation on a Harley-Davidson motorcycle (see Figure 2).

For other makes of motorcycles, use the mounting information on page 2, Figure 3.

NOTE — For motorcycles equipped with a steering damper, install the steering damper modification kit (option 5584) before mounting the Porta-Mobil II (see page 5).

DF-9042

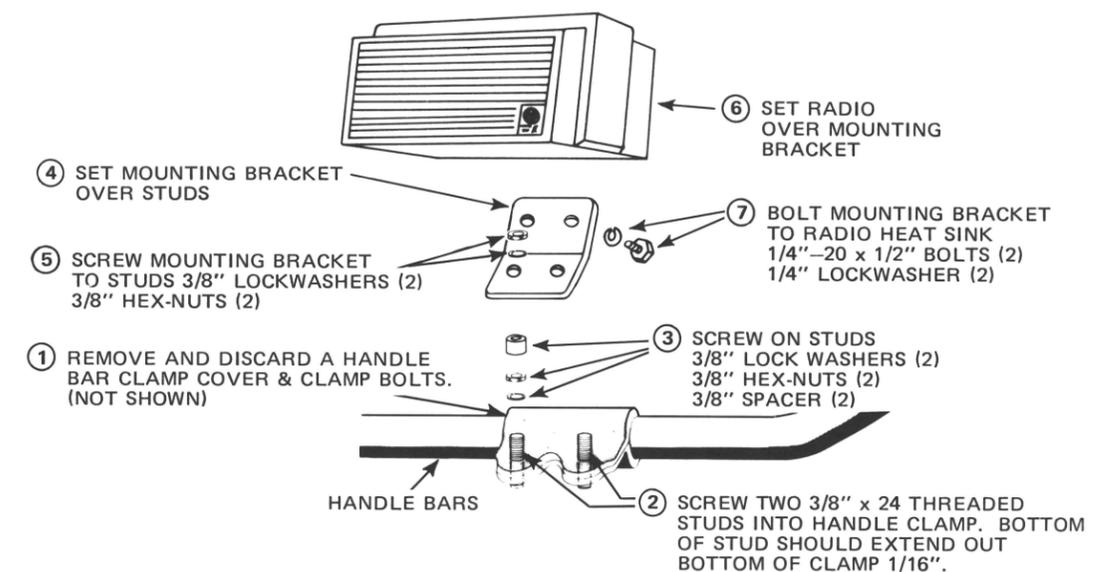


Figure 2 — Porta-Mobil II Installation

MOBILE RADIO DEPARTMENT
GENERAL ELECTRIC COMPANY • LYNCHBURG, VIRGINIA 24502

GENERAL  **ELECTRIC**

SIDE VIEW

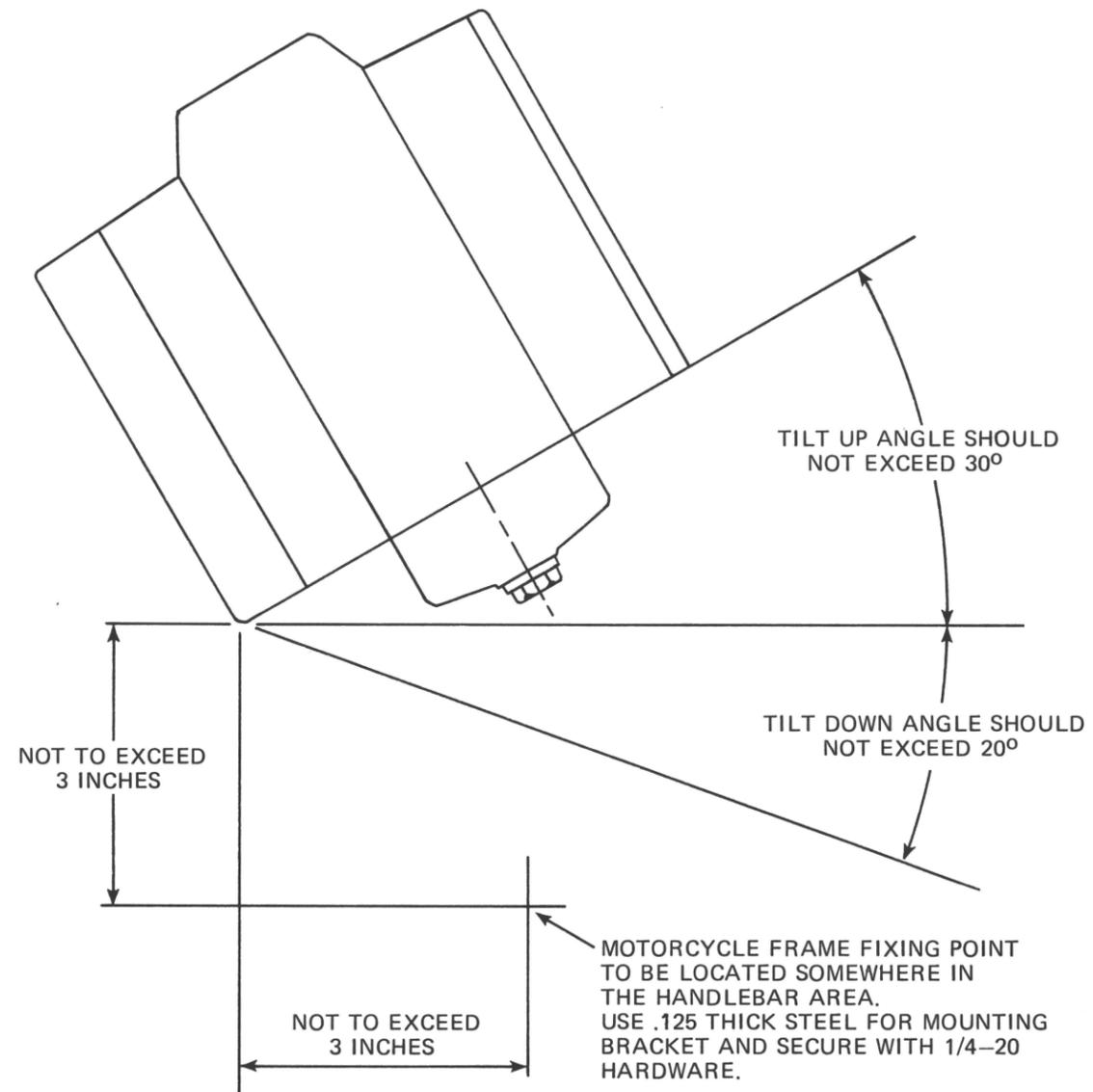
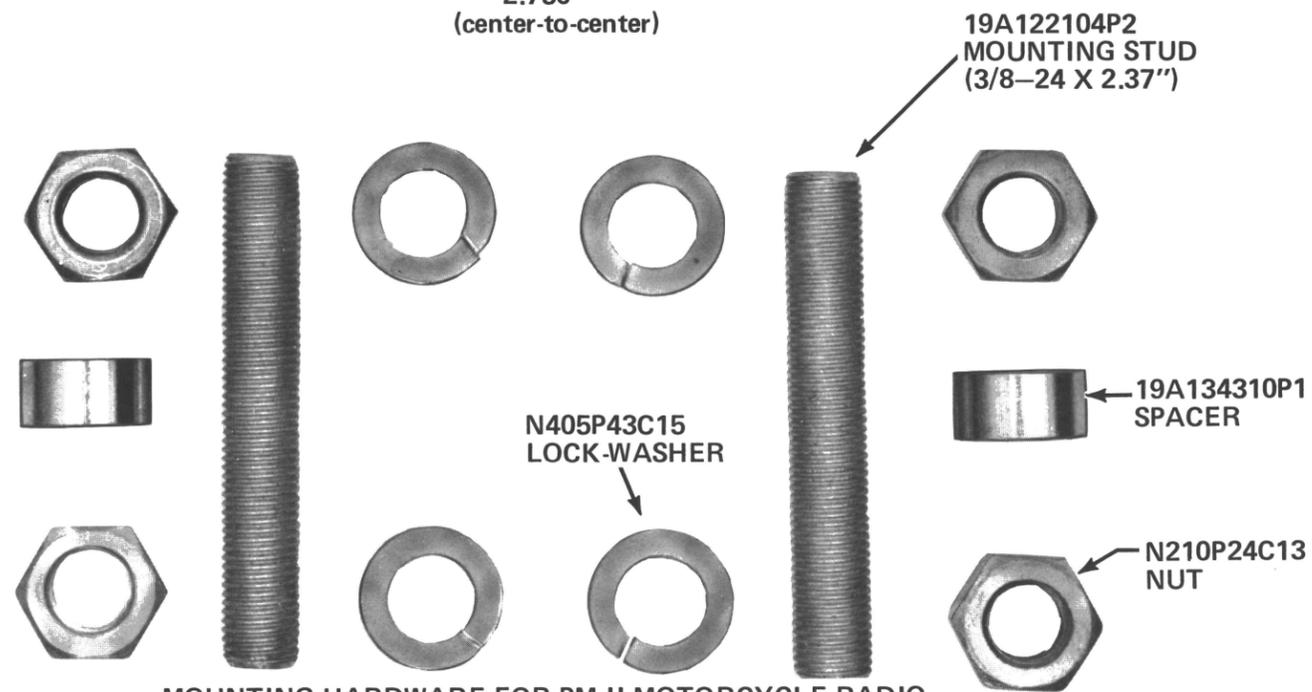
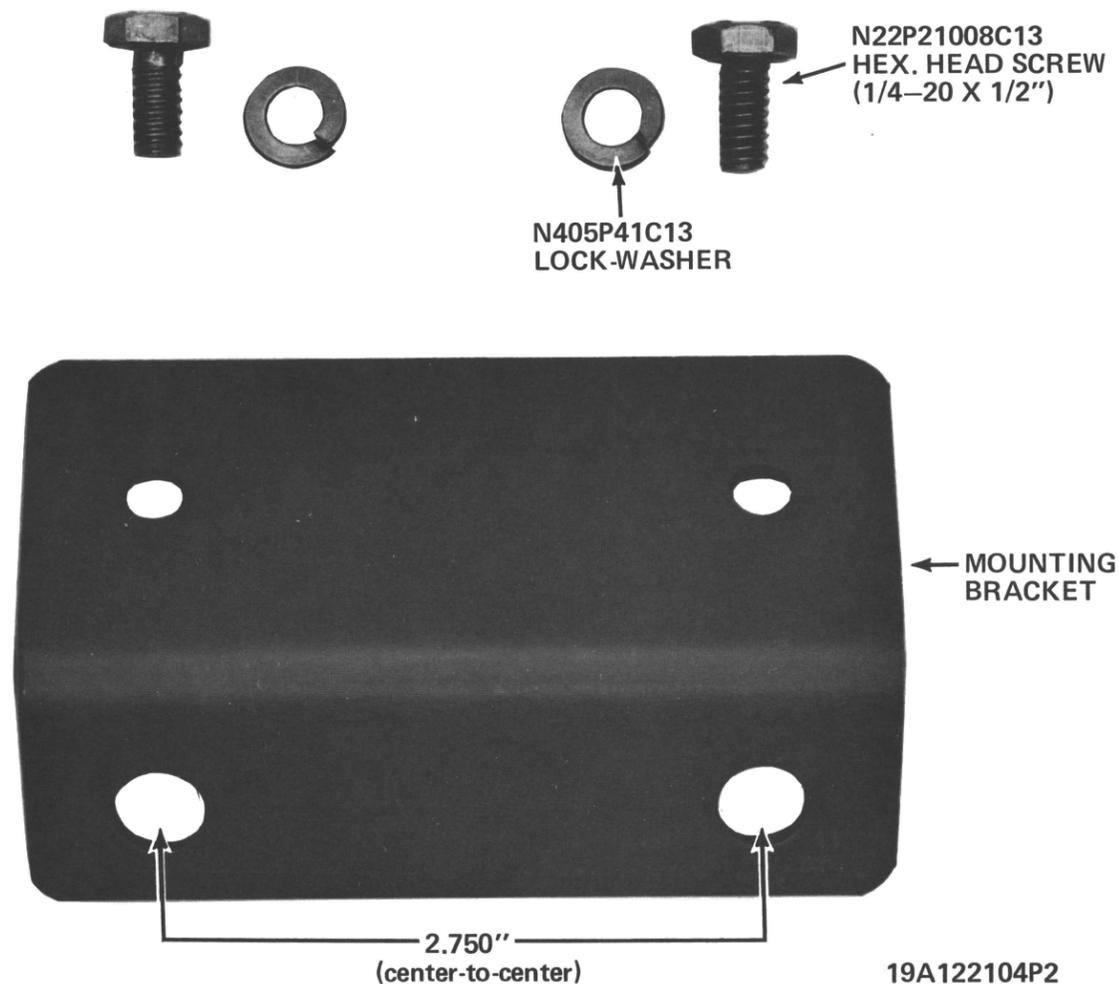


Figure 3 – Porta-Mobil II Mounting Information

A. Connect the power cable and microphone assembly to the Porta-Mobil II as shown in Figure 4.



(Attachment "B" for SFM: P7533/MR33)

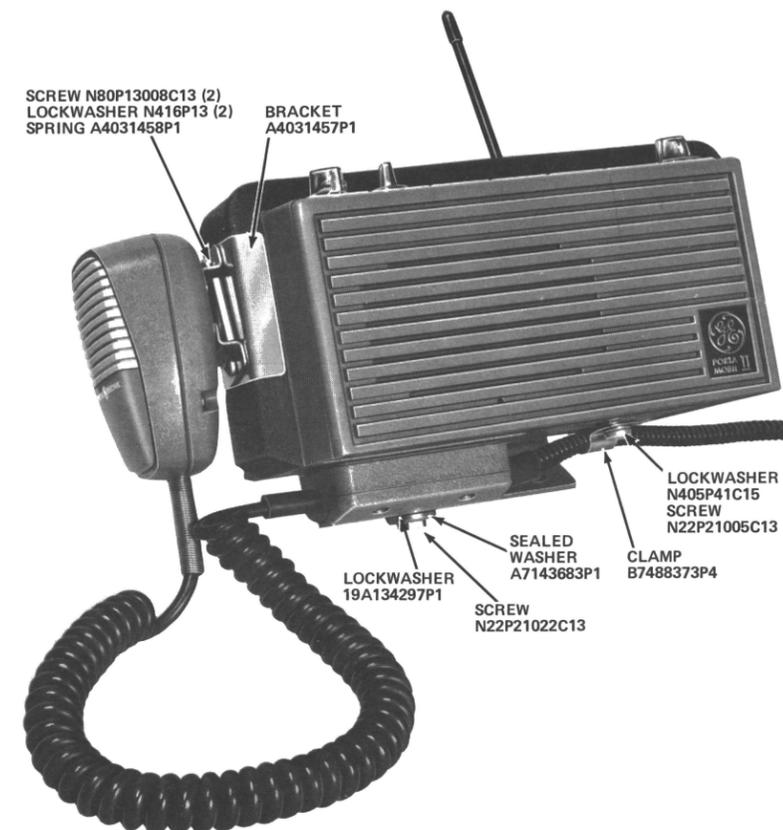


Figure 4 – Power Cable and Microphone Connections

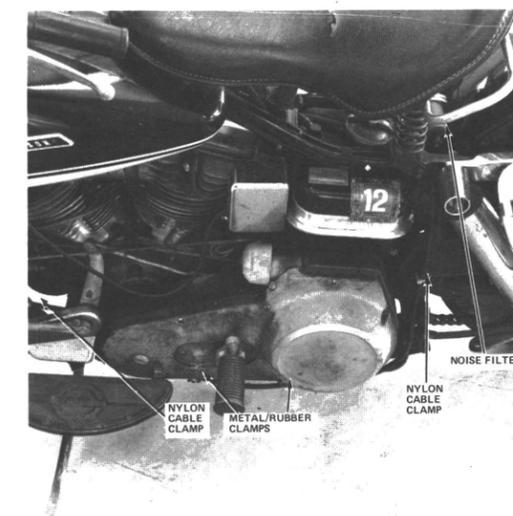
B. Route the power cable as shown in Figure 5A and 5B. Use nylon straps and cable clamps supplied to secure the cable to the motorcycle. NOTE: Leave a loop in the power cable to permit rotation of the handle bars. (See Figure 5A).



5A

Figure 5 – Cable Routing

CAUTION
 Be careful to avoid damaging some vital part of the vehicle when drilling mounting holes. Always check to see how far the mounting screws will extend below the mounting surface before installing.



5B

3 IGNITION NOISE FILTER

Mount the ignition noise filter to the motorcycle frame and make cable connections as shown in Figures 6 and 7.

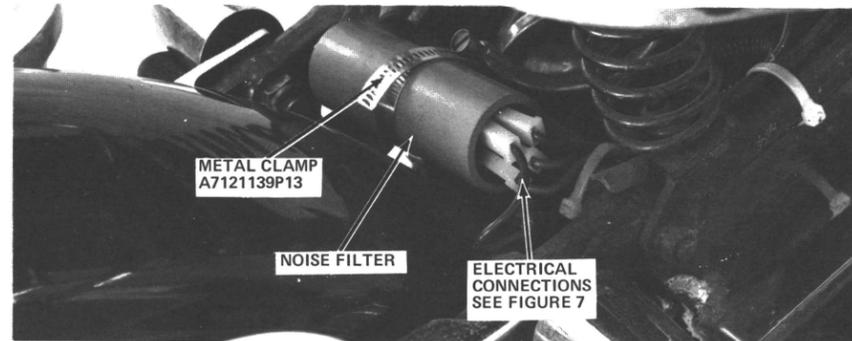


Figure 6 – Ignition Noise Filter

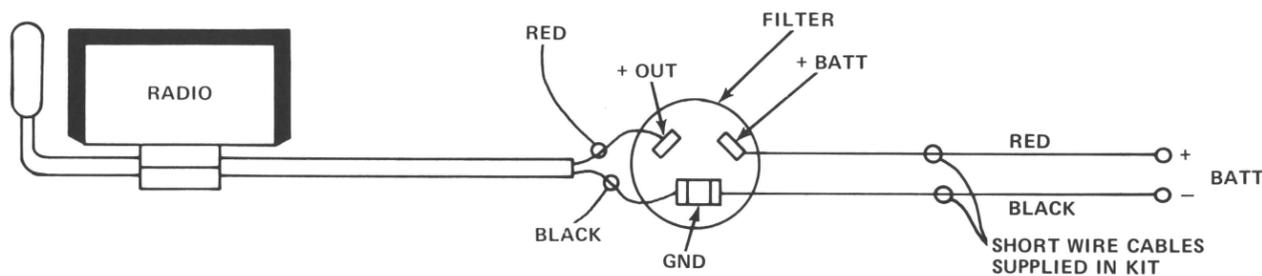


Figure 7 – Connection Diagram

4 ANTENNA INSTALLATION

Assemble antenna following instructions packaged with antenna. Mount and connect antenna as shown in Figures 8, 9, 10 and 11.

The antenna must be installed in accordance with good engineering practice for optimum results.

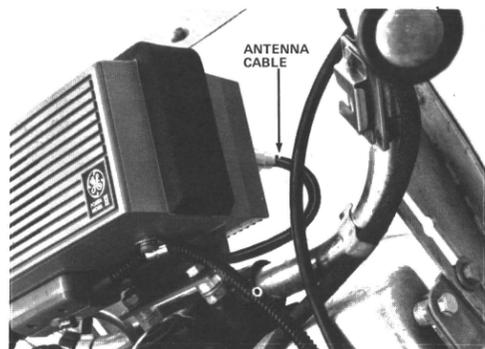


Figure 9 – Antenna Cable Connection

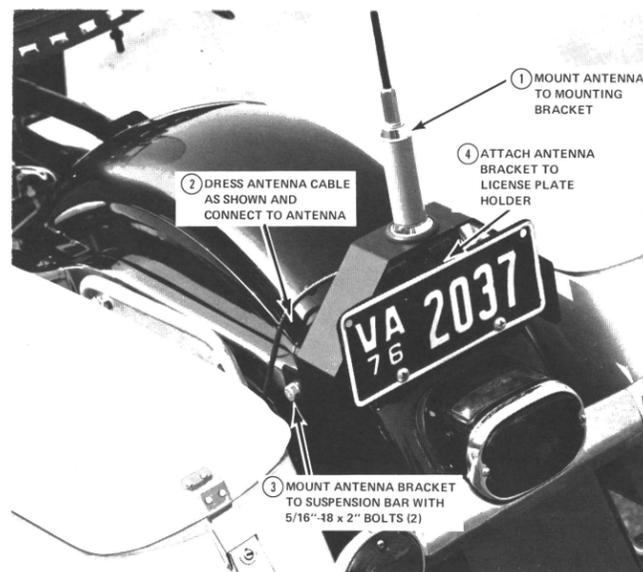


Figure 8 – Low and Mid Band Antenna Mounting

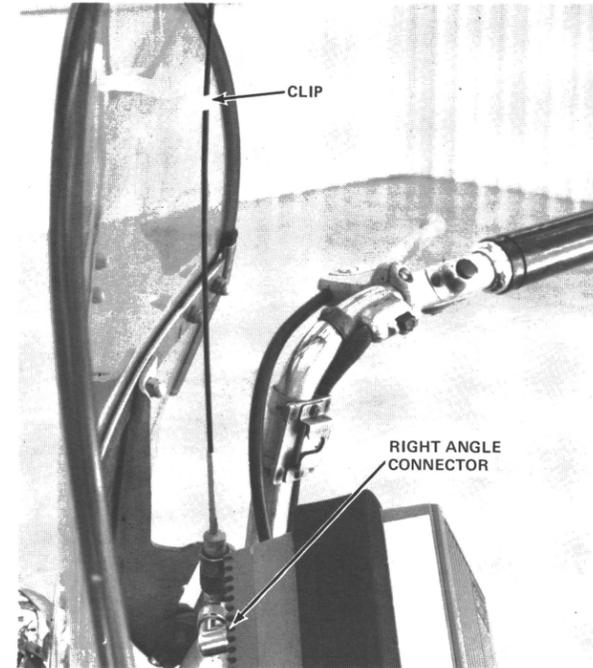


Figure 10 – High Band Antenna Mounting

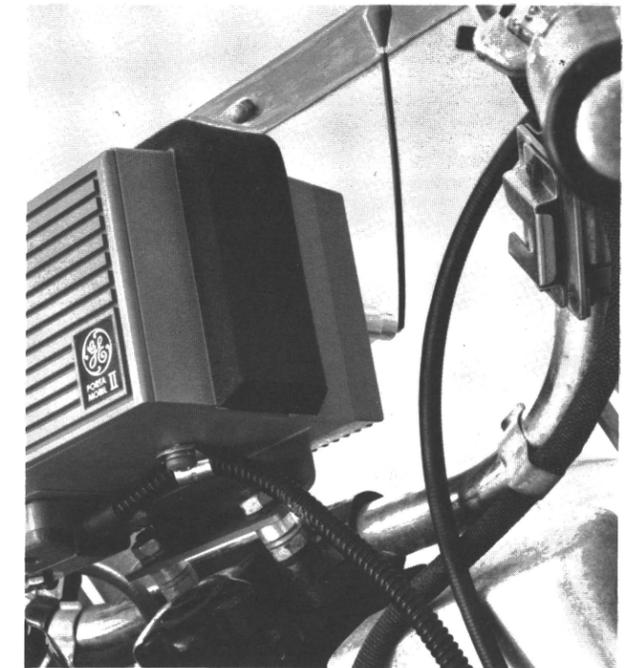


Figure 11 – UHF Antenna Mounting

5 FINAL CHECKS

FINAL INSPECTION

Be sure all components are firmly mounted, control cable dressed away from all cycle moving parts and exhaust pipe.

PLACING THE TWO-WAY RADIO INTO OPERATION

After the installation is completed, a 1st or 2nd Class FCC Radiotelephone licensed electronic technician must make the final transmitter and receiver adjustments as described in the MAINTENANCE MANUAL.

Be sure a RADIO TRANSMITTER IDENTIFICATION form (FCC 452-C or General Electric Form NP270303) is filled out and attached to the transmitter.

Fill out and mail the "ON ARRIVAL" Information Card.

Give the Operator's Manual for the Two-Way Radio to the person who is going to operate it, or place the manual on the motorcycle where he will find it.

6 STEERING DAMPER MODIFICATION KIT (Option 5584)

1. Remove the steering damper adjustment screw and handlebar clamp cover supplied with the motorcycle.
2. Place the new cover over the large nut and leaf spring.
3. Slide the coil spring over the new short damp-

er screw, insert the screw through the hole in the cover and tighten as desired.

4. Mount the Control Unit according to Steps 2 through 7 as shown on Figure 4, using the long threaded studs, 3/4-inch hexnuts and lockwashers for Steps 2 and 3.